

AMENDMENTS TO THE CLAIMS

The following listing of the claims will replace all prior versions and listings of the claims in the application:

Listing of Claims:

1. (Currently amended) A method for supporting pilot boost to the uplink dedicated channels in the Wideband Code Division Multiple Access system comprising steps of:

transmitting ~~an~~ a first E-TFCI in a first transmission time interval (TTI) to a Node B by a UE before transmitting ~~an~~ a first E-DCH in a second TTI corresponding to the first E-TFCI, wherein the second TTI includes a second E-TFCI that corresponds to a second E-DCH in a third TTI;

adjusting an uplink pilot power boosting amplitude by the UE according to the first E-TFCI; and

performing an uplink inner loop power control by the Node B according to a measured SIR, a target preset by the inner loop power control and the uplink pilot power boosting amplitude resulted from the first E-TFCI.

2. (Original) The method according to claim 1, wherein the UE transmits a D-TFCI and a DCH corresponding to the D-TFCI synchronously.

3. (Original) The method according to claim 1, wherein the timing relationship on transmitting the E-TFCI in advance must satisfy that the ending time of E-TFCI's TTI must be earlier than the starting time of TTI of the E-DCH corresponding to the E-TFCI.

4. (Previously presented) The method according to claim 1, wherein when the uplink inner loop power control is performed by the Node B, if $SIR_{est} < SIR_{TARGET} + \Delta P_{pilot}$, the Node B sends a TPC UP command to demand the UE to increase the transmitting power; otherwise, it sends a TPC DOWN command to demand the UE to decrease the transmitting power.

5. (Previously presented) The method according to claim 1, wherein the UE calculates a transmitting power of the pilot according to the E-TFCI and the equation below

$$P_{\text{pilot}} = P_c + \Delta P_{\text{pilot}}$$

6. (Previously presented) The method according to claim 1, wherein a RNC notifies the Node B through an Iub signaling of the pilot power boosting amplitude corresponding to a reference E-TFCI, and notifies the UE through a RRC signaling of the pilot power boosting amplitude corresponding to the reference E-TFCI.

7. (Original) The method according to claim 1, wherein the Node B and the UE calculate the pilot power boosting amplitudes corresponding to other E-TFCIs according to that corresponding to the reference E-TFCI.

8. (Original) The method according to claim 1, wherein the UE transmits the D-TFCI to the Node B before the transmission of the DCH corresponding to the D-TFCI.

9. (Original) The method according to claim 1, wherein the UE transmits the TFCI which is generated by encoding the D-TFCI and the E-TFCI before the transmission of the E-DCH corresponding to the E-TFCI.